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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/501,727	07/16/2004	Perry Forsberg	1515-1029	1130
<div>466                      7590                      05/29/2007</div> <div>YOUNG &amp; THOMPSON</div> <div>745 SOUTH 23RD STREET</div> <div>2ND FLOOR</div> <div>ARLINGTON, VA 22202</div>				
			<div>EXAMINER</div> <div>DEMILLE, DANTON D</div>	
			<div>ART UNIT</div> <div>3771</div>	<div>PAPER NUMBER</div>
			<div>MAIL DATE</div> <div>05/29/2007</div>	<div>DELIVERY MODE</div> <div>PAPER</div>

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/501,727

Applicant(s)

FORSBERG ET AL.

Examiner

Danton DeMille

Art Unit

3771

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |  |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>16 JUL 2004</u> . | 6) <input type="checkbox"/> Other: ____  |

## **DETAILED ACTION**

### ***Drawings***

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the spring steel wires and rods as recited in claim 7 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claims 1, 2 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by any one of Kamp, Azneer, Oliver or Houghtaling for example.**

Kamp teaches a massage motor 38 fitted inside a coil spring assembly. The motor 38 is connected to the upper side of at least some of the springs 20. The motor 38 is fitted on the underside of an attachment plate 44.

Azneer teaches a massage motor 14 fitted inside a coil spring assembly. The motor 14 is connected to the upper side of at least some of the springs 10. The motor 14 is fitted on the underside of an attachment plate 15.

Oliver teaches a massage motor 37 fitted inside a coil spring assembly. The motor 37 is connected to the upper side of at least some of the springs 12-15. The motor 37 is fitted on the underside of an attachment plate 33.

Houghtaling teaches a massage motor 10 fitted inside a coil spring assembly. The motor 10 is connected to the upper side of at least some of the springs 27. The motor 10 is fitted on the underside of an attachment plate 11.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over any one of the references applied to claim 1 in view of Scott.**

While the references applied to claim 1 show the massage motor fitted inside the center of the coil spring assembly, none of the springs needed to be removed because there is enough room between springs. However, for spring assemblies in which the spring density is such that there is no room to support a massage motor then it will be necessary to remove a pair of springs in order to fit the massage motor within the spring assembly. Scott teaches such a convention. It would have been obvious to one of ordinary skill in the art to modify any one of the references applied to claim 1 and to remove a pair of springs as taught by Scott in order to make room for the massage motor.

**Claim 4, 5, 6 rejected under 35 U.S.C. 102(b) as being clearly anticipated by either Azneer or Oliver.**

Azneer teaches movement transmission elements 18 extending out from the motor 14 to a number of springs 10.

Oliver teaches movement transmission elements 40 extending out from the motor 37 to a number of springs 12-15.

**Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over either Azneer or Oliver.**

While Azneer and Oliver teaches strip like movement transmission elements there appears to be no unobviousness to use any other conventional means to support the massage motor that would also transmit the vibration to the other springs. Spring steel wires or rods would appear to be well within the realm of the artisan of ordinary skill. The prior art already uses spring steel wires to support the springs and massage motor such as Houghtaling and Kamp. It would have been obvious to one of ordinary skill in the art to modify either Azneer or Oliver to use spring steel wires or rods as movement transmission elements as an obvious equivalent means for performing the same function.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Danton DeMille whose telephone number is (571) 272-4974. The examiner can normally be reached on M-F from 8:30 to 6:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu, can be reached on (571) 272-4835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

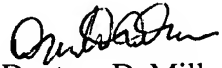
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

20 May 2007

  
Danton DeMille  
Primary Examiner  
Art Unit 3771